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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/500,351	01/03/2005	Henry Daniell	1358-PCT-US-01	2622	
23557	7590 05/04/2006	er.	EXAMINER		
	CHIK LLOYD & SALIW	KUBELIK	KUBELIK, ANNE R		
PO BOX 142			ART UNIT	PAPER NUMBER	
GAINESVII	LLE, FL 32614-2950	•	1638	1638	
			DATE MAILED: 05/04/2006	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Comme	10/500,351	DANIELL, HENRY
Office Action Summary	Examiner	Art Unit
	Anne R. Kubelik	1638
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DOWN THE MAILING DOWN THE STATE OF THE MAILING DOWN THE STATE OF THE MAILING DOWN THE STATE OF THE MAILING TH	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from . cause the application to become ABANDONE!	I. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133)
Status		
1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-44 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-44 are subject to restriction and/or example and the subject to restriction and/or example and the subject to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ according to the Replacement drawing sheet(s) including the correct	wn from consideration. election requirement. r. epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No d in this National Stage
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	

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Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions that are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 6, and claims 1-5, 7-30, 34-35 and 41-44, all in part, drawn to a plastid transformation vector encoding a protective antigen for anthrax, plants and plastids transformed with the vector, and a method of using it to produce the antigen.

Group II, claim(s) 31-33, and claims 1-5, 7-30, 34-35 and 41-44, all in part, drawn to a plastid transformation vector encoding a protective antigen for plague, plants transformed with the vector, and a method of using it to produce the antigen.

Group III, claim(s) 36-38, drawn to a vaccine conferring immunity to *Bacillus anthracis* and a process for administering the vaccine.

Group IV, claim(s) 39-40, drawn to a vaccine conferring immunity to *Yersinia pestis* and a process for administering the vaccine.

2. The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: They do not share a special technical feature.

The technical feature shared by Groups I-II is a plastid vector encoding a protective antigen.

The technical feature shared by Groups III-IV is an orally administered vaccine to a bacterium.

Thus, the groups share no technical feature.

Furthermore, CALGENE LLC (WO 00/03012, cited in the search report) teaches plastid transformation vectors encoding the protective antigen aprotinin and plants transformed with it (pg 23-24 and 43), rendering the invention of claim 1, among others, not novel. Thus, the technical feature shared by Groups I-II is not special.

3. Applicant is advised that for the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Sequence Rules

4. This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825.

Sequence identifiers are missing from the sequence in ¶64.

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Full compliance with the sequence rules is required in response to this Office action. A complete response to this Office action must include both compliance with the sequence rules and a response to the issues set forth herein. Failure to fully comply with both of these requirements in the time period set forth in this Office action will be held to be non-responsive.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne R. Kubelik, whose telephone number is (571) 272-0801. The examiner can normally be reached Monday through Friday, 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anne Marie Grunberg, can be reached at (571) 272-0975.

The central fax number for official correspondence is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

Anne Kubelik, Ph.D. April 17, 2006

ANNE KUBELIK, PH.D. PRIMARY EXAMINER